AUTODOC CLUB

How to change engine thermostat on **PEUGEOT 207 CC** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

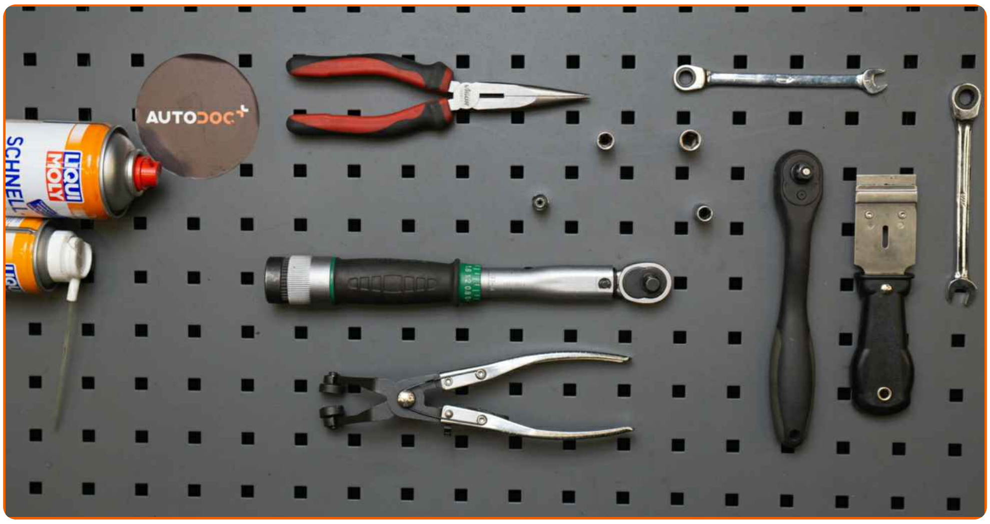
Important!

This replacement procedure can be used for:
PEUGEOT 207 CC 1.6 16V

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: PEUGEOT 207 Hatchback 1.6 16V VTi

REPLACEMENT: ENGINE THERMOSTAT – PEUGEOT 207 CC. TOOLS YOU'LL NEED:



- Electronic spray
- All-purpose cleaning spray
- Torque wrench
- Combination spanner #7
- Combination spanner #8
- Drive socket # E5
- Drive socket # 7
- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Seal scraper
- Round-nose pliers
- Clic-R collar pliers
- Flat Screwdriver
- Funnel
- Fluid container
- Fender cover
- Wheel chock

Buy tools

Replacement: engine thermostat – PEUGEOT 207 CC. Tip from AUTODOC:

- Check the condition of the coolant every time you replace the thermostat. Change the coolant if necessary.
- All work should be done with the engine stopped.

REPLACEMENT: ENGINE THERMOSTAT – PEUGEOT 207 CC. TAKE THE FOLLOWING STEPS:

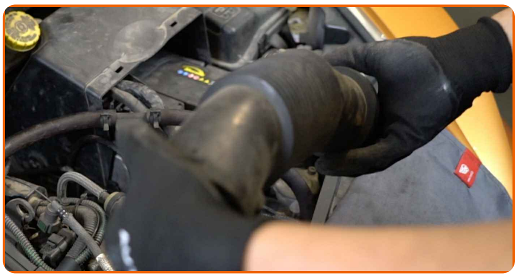
1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Disconnect the air intake pipe fastening. Use a drive socket #10. Use a ratchet wrench.



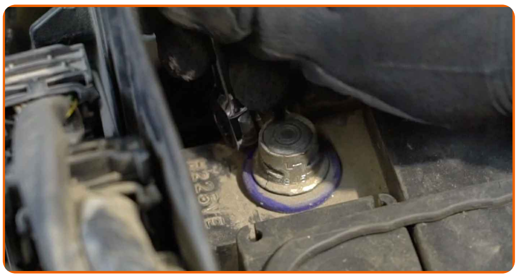
4 Remove the air intake pipe.



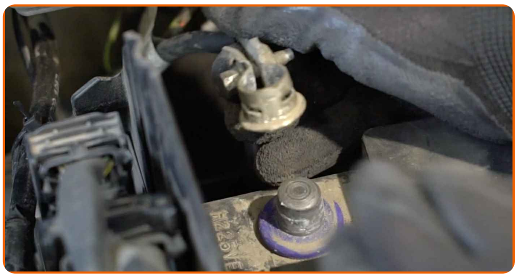
5 Remove the battery cover.



6 Unscrew the fasteners of the car battery terminals. Use a combination spanner #8.



7 Remove the battery terminals.



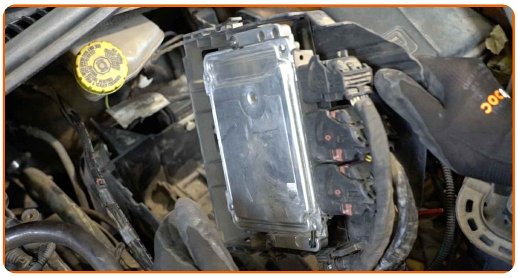
8 Press the battery retainers to release them.



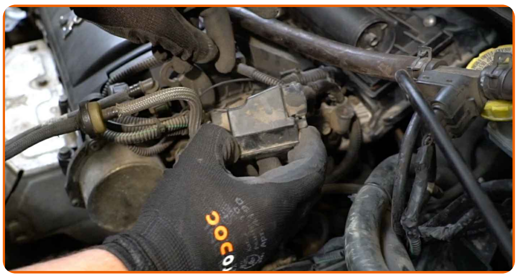
9 Remove the battery.



10 Remove the electronic control unit.



11 Remove the engine wiring harness cover.



12 Detach the engine wiring harness connectors. Use a flat screwdriver.



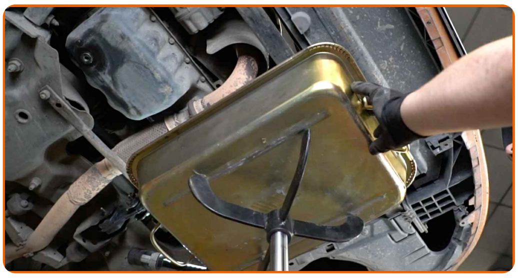
13 Unscrew the coolant reservoir cap.



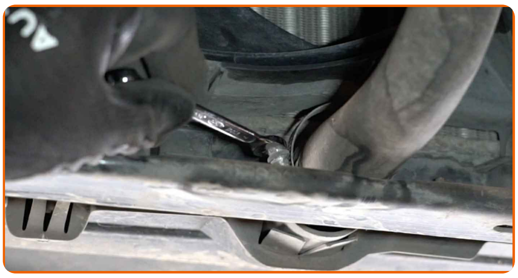
14 Secure the wheels with chocks.

15 Lift the car using a jack or place it over an inspection pit.

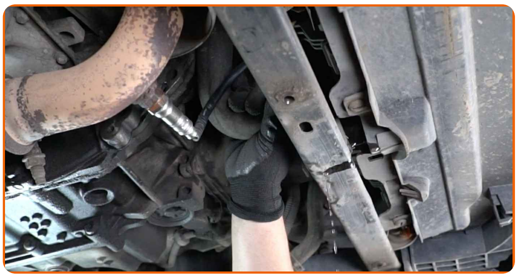
16 Prepare a container for fluids.



17 Detach the clamp of the lower coolant pipe. Use a combination spanner #7.



18 Detach the lower coolant pipe.



19 Drain the coolant from the engine.



AUTODOC recommends:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.

20 Clean the lower coolant pipe mounting seat. Use all-purpose cleaning spray.



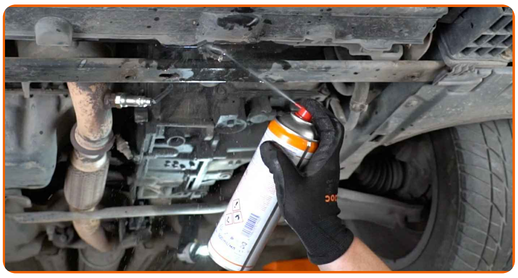
21 Attach the lower coolant pipe.



22 Attach the clamp of the lower coolant pipe. Use a combination spanner #7.



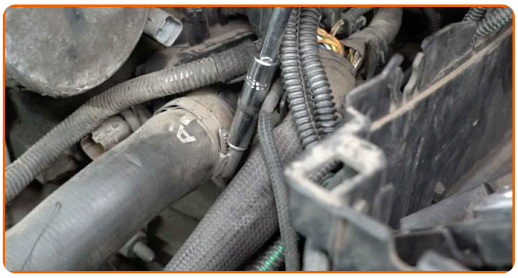
23 Clean the coolant hose. Use all-purpose cleaning spray.



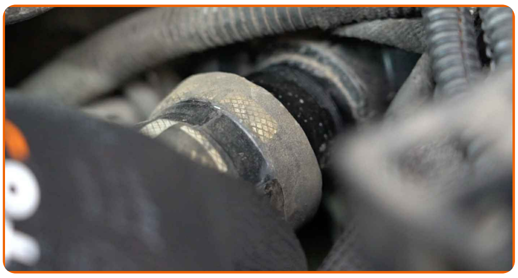
24 Lower the car.

25 Remove the jacks and chocks.

26 Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



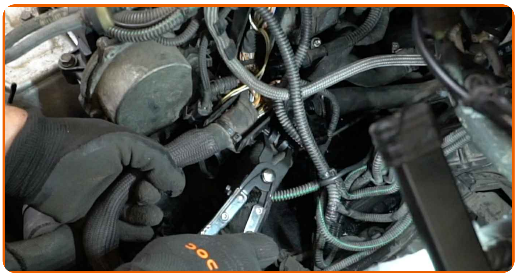
27 Detach the coolant hose.



Replacement: engine thermostat – PEUGEOT 207 CC. AUTODOC recommends:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

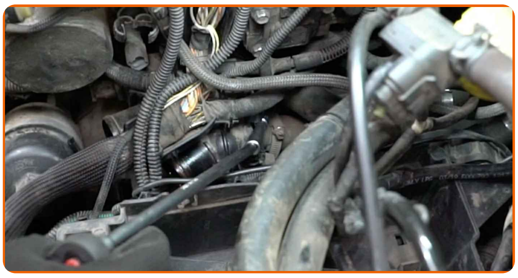
28 Loosen the coolant hose clamp. Use clic-R collar pliers.



Replacement: engine thermostat – PEUGEOT 207 CC. Tip:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

29 Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



30 Detach the coolant hose.



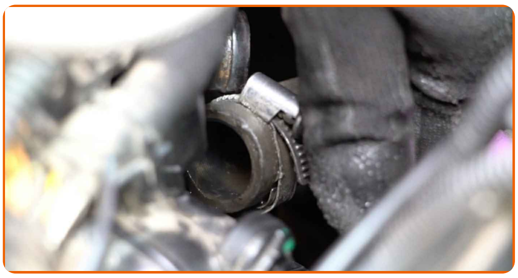
AUTODOC recommends:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

31 Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



32 Detach the coolant hose.



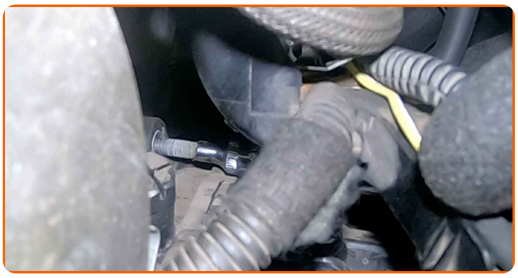
Replacement: engine thermostat – PEUGEOT 207 CC. Professionals recommend:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

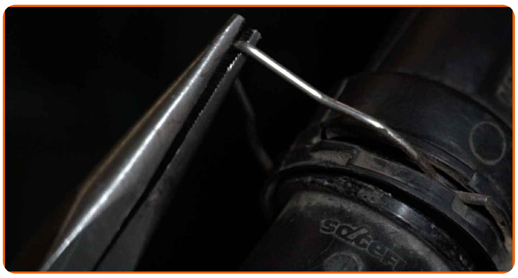
33 Unscrew the thermostat housing fasteners. Use a drive socket #8. Use a drive socket #10. Use a ratchet wrench.



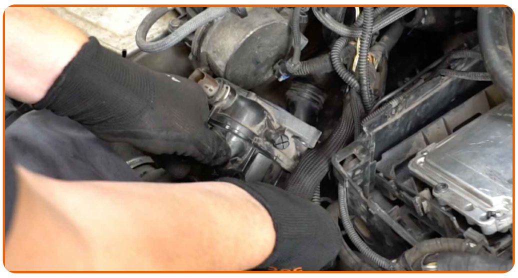
34 Unscrew the thermostat housing mounting stud. Use a drive socket #E5. Use a ratchet wrench.



35 Detach the clip of the upper coolant hose. Use round-nose pliers.



36 Remove the thermostat housing.



37 Clean the thermostat housing mounting seat. Use a seal scraper. Use all-purpose cleaning spray.



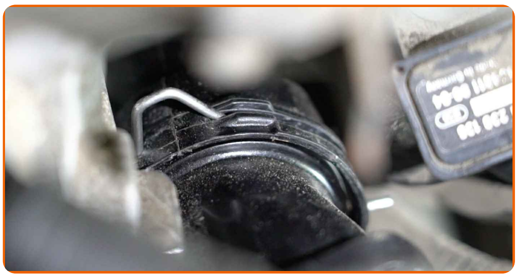
38 Install the new thermostat housing.



39 Attach the coolant hose.

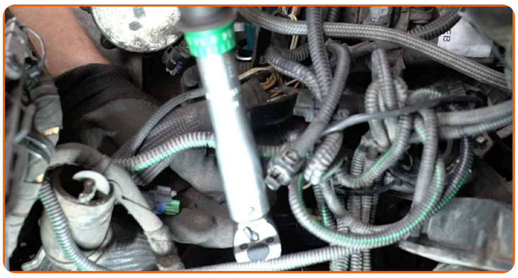


40 Attach the clip of the upper coolant hose.



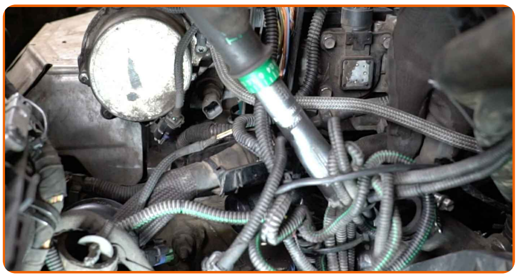
41

Tighten the thermostat housing fasteners. Use a drive socket #8. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



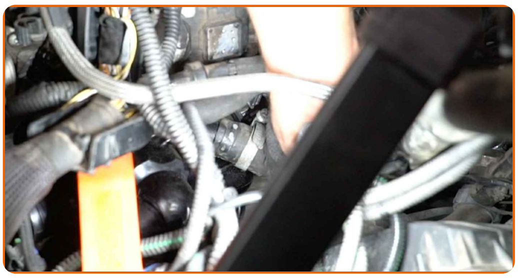
42

Tighten the thermostat housing mounting stud. Use a drive socket #E5. Use a torque wrench. Tighten it to 11 nm torque.



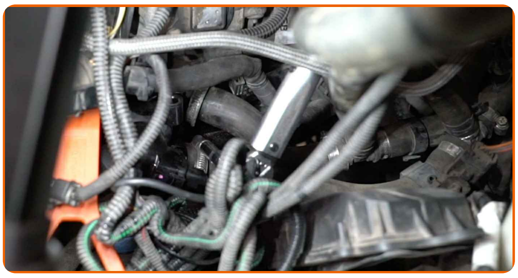
43

Attach the coolant hose.



44

Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



45 Attach the coolant hose.



46 Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.

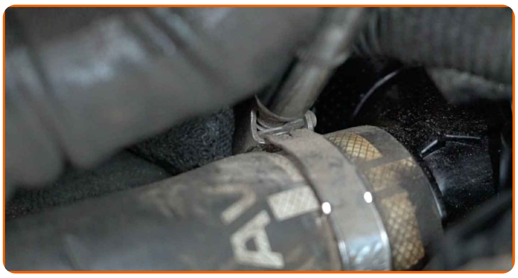
47 Secure the coolant hose clamp. Use clic-R collar pliers.



48 Attach the coolant hose.



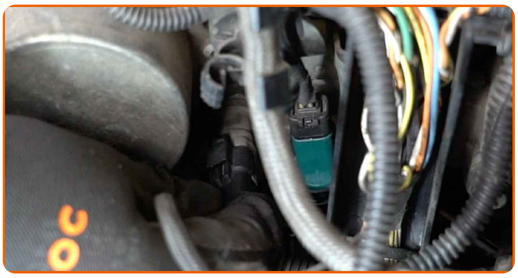
49 Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



50 Treat the engine wiring harness connectors. Use electronic spray.



51 Attach the engine wiring harness connectors.



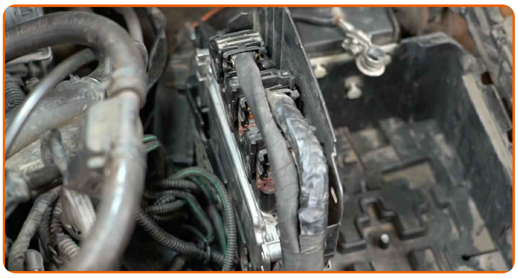
52 Install the engine wiring harness cover. Make sure you hear a click indicating that it is locked in place.



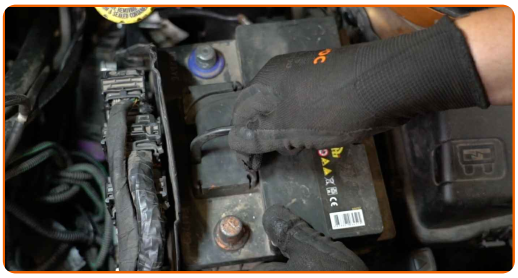
AUTODOC recommends:

- Replacement: engine thermostat – PEUGEOT 207 CC. Do not use excessive force during installation. This may damage the part.

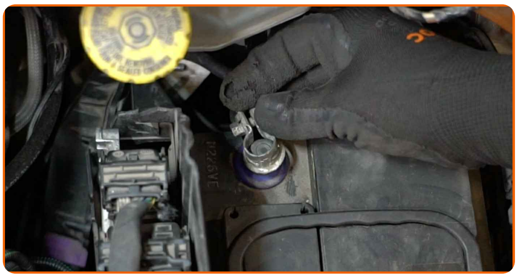
53 Install the electronic control unit.



54 Install the battery. Make sure you hear a click indicating that it is locked in place.



55 Attach the terminals to the battery.



56 Screw in the fasteners of the battery terminals. Use a combination spanner #8.

57 Install the battery cover.



Replacement: engine thermostat – PEUGEOT 207 CC. AUTODOC recommends:

- When installing, do not use excessive force to avoid damage to the part.

58 Remove the coolant reservoir cap.



59 Insert the funnel.



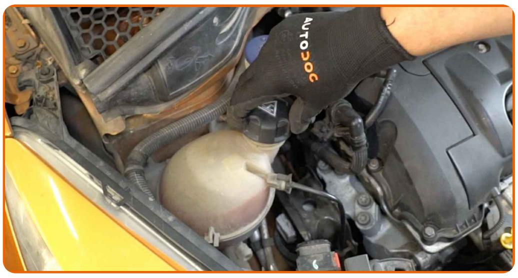
60 Pour coolant in the coolant reservoir.



Replacement: engine thermostat – PEUGEOT 207 CC. AUTODOC experts recommend:

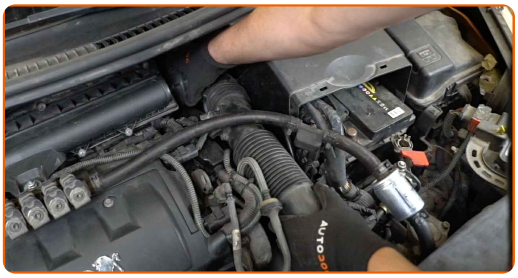
- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

61 Install the coolant reservoir cap.



62 Screw on the coolant reservoir cap.

63 Install the air intake pipe and secure it.



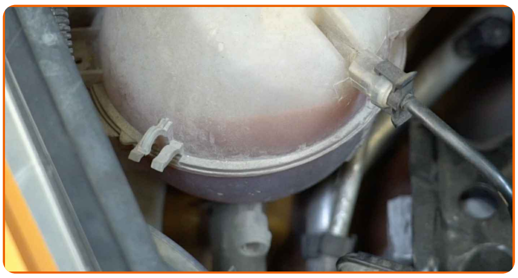
64 Screw in the fastener of the air intake pipe. Use a drive socket #10. Use a ratchet wrench.



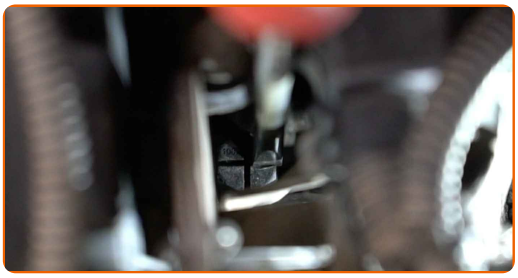
65 Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

66 Shut off the engine.

67 Undo the bleed screw. Use a flat screwdriver. Wait until the air goes out of the system.



68 Tighten the bleed screw.



69 Check the coolant level. If necessary, top up to the required level.

Please note!

- The coolant level should be at the MAX mark.

70 Remove the fender protection cover.

71 Close the hood.

WELL DONE!

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